

In the Specification:

Please replace the paragraph appearing on page 2, lines 14-22 with the following paragraph:

It is therefore an object of the present invention to provide a system and components wherein each instrument is connectable directly to a vehicle data bus without the need for a central controller while maintaining power consumption at a minimum. The system and method according to the present invention displays monitored measurements of an apparatus on an instrument and includes a data bus interface, a data bus, and a plurality of instruments. The data bus interface is coupled to a data bus of the apparatus, which contains measurement data monitored by sensors in the apparatus. Each of the instruments ~~each having~~has a microcontroller coupled to the data bus interface. A motor is driven by the microcontroller and an indicator needle is coupled to the motor for displaying the measurement of the instrument.

Please replace the paragraph appearing on page 3, lines 3-7 with the following paragraph:

Figures 2A-2D ~~show~~is a schematic circuit diagram of an instrument for use in the measurement system of Figure 1; Figures 2A and 2B show a schematic circuit diagram of a microcontroller and motor; Figure 2C shows a schematic circuit diagram of a first embodiment of the data bus interface; and Figure 2D shows a schematic circuit diagram of a second embodiment of the data bus interface.

Please replace the paragraph appearing on page 4, lines 4-13 with the following paragraph:

Each of the major components will now be described in greater detail with reference to ~~Figure 2~~Figures 2A-2D, which shows a schematic circuit diagram of the instruments 1, 2 . . . n used in the measurement system of Figure 1. As shown in Figures 2A and 2B, the

microcontroller 14 may be an eight-bit microcontroller. The microcontroller 14 has a plurality of pins 1 through 20. The microcontroller 14 receives RX from the data bus interface 12 at the pin 8. Figures 2C and 2D show two alternate embodiments of the data bus interface 12, data bus interface 12a and 12b. In the first embodiment shown in Figure 2C, the data bus interface 12a is a SAE J1708 ~~/or SAE J1587~~ interface. The data bus 22 is coupled to BUS(+) and BUS(-). The data bus signal is then amplified through amplifier U4A and output to the RX. The microcontroller 14 receives the RX at the pin 8.

In the Drawings:

Please replace sheet 2 of the drawings with the replacement sheet 2 submitted herewith.